

WGS/Wallops Loading Schedule for June'98

Support to 8 S-Band (or L-band) Satellites assuming two tier priority scheme

	ASCA	FAST	TOMS-EP	TRACE	YOHKOH	SNOE	ROSAT	SAMPEX	SEAWiFS	ERBS	Total
Required	4.5	1.0	2.0	3.0	4.5	1.0	1.0	2.0	3.0	1.0	23
Estimated	4.5	1.3	4.3	3.7	4.5	1.2	2.1	2.8	3.2	1.3	29
Support	00:34:06	00:27:42	00:42:35	00:35:12	00:43:00	00:11:20	00:24:42	00:27:44	00:30:45	00:14:12	04:51:18

Notes and Assumptions

Analysis does not include: MIR, IMP-8, STS, POLAR, and other actual or possible supports.
 Pertinent Resources at Wallops include 9 meter, 8 meter TOTS, (2) 7.3 meter (S/L), and the 11 meter (S/X) .
 Analysis assumes two antennas can be operated simultaneously with minimal interference.

Actual schedule may follow specific constraints.

ASCA, FAST, TOMS-EP,TRACE, YOHKOH have priority under this scenario.

FAST supports limited to views greater than 15 minutes.

ROSAT supports limited to orbits not supported at Walheim, Germany.

SNOE supports limited to specific temporal window.

SeaWifs supports could be L-Band (on 7.3 m antenna)

Analysis shows estimate for potential unconflicted support.

The analysis is based upon one month of satellite propagation.

GN operational concerns not necessarily modeled except for nominal 10 minute turnaround.

All supports (incl. FAST) assumed to be AOS to LOS (above 5 degree mask).

Scheduling algorithm defines only two priority levels.

This algorithm is not the same used for operational Scheduling of missions.

eg. most missions are over scheduled above for normal support requirements.

This analysis refers only to the WGS site.

Support for some of these mission will also be garnered at AGS, SGS and MGS.

Thus, unmet requirements may be replaced by supports at other site.

Please, refer to composite Loading Analysis for final assessment.